

ABSTRACT

There is an apparatus for regulating air flow into a rim mounted pneumatic vehicle tyre. The apparatus has an elongated valve housing 1' with an inlet end 1A', an outlet end 2' and a central portion between the outlet and inlet. The outlet end includes a rim insertion portion 3' configured to fit into an aperture in the tyre rim. There is a piston 8' disposed within the housing. The piston includes a valve member 19'. A coil spring 22' acts between the housing and piston so that in use of the apparatus the piston is biased to a open position for passage of air into the tyre and is movable against the spring bias under air pressure build-up in the tyre to a closed position at which the valve member seals against a valve seat. The piston and spring are located in the central portion of the housing clear of the rim insertion portion. The rim insertion portion is of a reduced size not obstructive to the mounting of the tyre.